

ABSTRACT OF THE DISCLOSURE

[0034] There is provided a multi-stage variable orifice flow obstruction sensor for measuring a fluid flow. The sensor comprises a body member having an aperture therethrough. Moreover, a cover member is engaged to the body member and is disposed within the aperture. The cover member is adapted to transition between open and closed positions with respect to the aperture. Additionally, a flow-limiting obstruction member is engaged to the body member and is disposed within the aperture adjacent the cover member. The flow-limiting member is configured to apply a generally opposing force to the cover member when the cover member extends to the open position and contacts the flow-limiting member. By doing so, a pressure differential of the fluid may be sensed such that the fluid flow can be measured therefrom.